| • | | | | SOBSAR | CLE 10/ PTO/SB/01 (12-97), DECLA | ATT ON DESIGN PATENT APPLICATION |
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| | | | | DNEAND 5 2000 | Attorney Docket Number | 20052YP |
| F | POWEI FOR UTI | R OF LIT | ` A T' Y OF | TÖRNEY R DESIGN offick | First Named Inventor | Liu, et al. |
| | PATEN | T AI | PPLI | CATION | · C(| OMPLETE IF KNOWN |
| | (37 | 7 CF | R 1.6 | (3) | Application Number | 09/601,582 |
| | Declaration Submitted | | × | Declaration Submitted after Initial | Filing Date | |
| 1 | with Initial Filing | OR | | Filing (surcharge (37 CFR 1.16 (e)) | Group Art Unit | |
| | | | | required) | Examiner Name | |

| As a below named invento | r, I hereby declare | that: | | | | |
|--------------------------------------------------------------|-----------------------------------------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------|----------------|
| My residence, post office ac | dress, and citizensh | ip are as sta | ated below next to my name. | | | |
| | | | ne name is listed below) or a is claimed and for which a pa | | | |
| NOVEL GABAB RECEPTO | R DNA SEQUENCE | ES | | | | |
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| | | (7 | itle of the Invention) | | | |
| the specification of which | | | • | | | |
| is attached hereto | | | | | | |
| OR was filed on (MM/DD/ | YYYY) | | as United States Applicat | ion Number or PCT Intern | national | |
| Application Number | an | d was ame | nded on (MM/DD/YYYY) | (| (if applicable). | |
| I hereby state that I have rev amended by any amendmen | | | ents of the above identified s | specification, including th | ne claims, as | |
| I acknowledge the duty to d as defined in 37 CFR 1.56. | isclose to the Patent | and Trader | mark Office all information k | tnown to me to be materia | al to patentabil | ity |
| certificate, or 365(a) of any America, listed below and h | PCT international ap ave also identified b | oplication velow, by cl | 9(a)-(d) or 365(b) of any forewhich designated at least one thecking the box, any foreign a filing date before that of the | country other than the U application for patent or | nited States of inventor's | , |
| Prior Foreign Application Number(s) | Country | | Foreign Filing Date (MM/DD/YYYY) | Attorney Docket Numb | | Claimed? NO |
| PCT/US99/02361 | 02/03/1999 | | | | × | |
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| Additional foreign applica | tion numbers are listed | on a supple | mental priority data sheet PTO/S | B/02B attached hereto: | | |
| I hereby claim the benefit under | 35 U.S.C. 119(e) of an | y United Sta | tes provisional application(s) list | ed below. | | |
| Application Num | iber(s) | | Filing Date (MM/DD/YYYY) | Attorney Doc | ket Number | |
| 50/073,767 | | 02/05/19 | 98 | 20052PV | , | |
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| PCT/US99/023 | 361 | | | | | C |)2/03 | 3/1999 | | | | | | | | _ |
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| Addition | ial U.S. or | PCT internat | itional applic | ation | numbe | ers are list | ed on | a supple | ement | al priority | data sheet | PTO/S | B/02B at | tached here | to. | _ |
| As a named in following regionnected the | gistered prac | ctitioner(s) to | Customer N | this ap | pplicat er | tion and to | o tran | isact all t | busine | ess in the P | | Traden | nark Offi e Custon | | _ | - |
| | Name Registered practitioner(s) name/registration number listed Registration Number Name Registration Number Name Number | | | | | | | | | | | | | | | |
| Joseph A. Copp | | | = = = = = = = = = = = = = = = = = = = = | 38,413 | | nber | + | Jack L. | Trib | | | | | 32,633 | lumber | |
| тозер | , , , , , , , , , , , , , , , , , , , | | | 70, | | | \neg | | *** | | | | | 32,022 | | |
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| Name | Joseph A | A. Coppola | | | | | | | | | | | | | | |
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| Country | USA | | | | Tele | phone | (732) | 594-67 | 134 | | Fax | | (732)59 | 94-4720 | | _ |
| I hereby dec belief are be the like so m may jeopard | elieved to l nade are p | be true; and ounishable b | d further th by fine or i | nat the impris | ese sta sonme | atements ent, or bo | were | e made inder 18 | with to | the knowl | ledge tha | at willfu | ul false : | statements | s and | |
| Name of Sole o | | | | | | ·/ | | A p | etitio | | | | | d inventor | | |
| GI | iven Nam | ne (first an | ıd middle | [if ar | <u>ny])</u> | | + | | | Fa | amily N | ame o | r Surna | ıme | | |
| Qingyun Inventor's | \neg | | - - | | | P | | <u>Liu</u> | | | | Τ | 7.7 | <i></i> | | |
| Signature | < | | 2 | <u> </u> | _0 | - | <u></u> | | | | Date | 8 | 13/ | 2000 | <u> </u> | |
| Residence: City | North | Wales | | S | State | PA P | # — | Coun | ıtry | us | | Citiz | zenship | CN | | |
| Post Office Address | | Merck & Co | o., Inc., P. | O. Bc | эх 200 |)0 | | _ | _ | | _ | | | | | |
| City | F | Rahway | | | | | | State | :1 | NJ | ZIP | | 0706 | 55-0907 | | |
| X Additional | inventors : | ditional inventors are being named on the 2 supplemental Additional Inventors(s) sheet(s) PTO/SB/02A attached hereto. | | | | | | | | | | | | ereto. | | |

| Name of Addition | nal Jo | oint Inventor, if any: | | | | A | petiti | on has b | een filed fo | or this unsigned | l inventor | |
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| Give | n Na | nme (first and middle [if | any]) | | | | | F | amily Na | me or Surnar | ne | |
| Геттепсе | | | | | M | <u>icDon</u> | ald_ | | | | | |
| Inventor's Signature | - | 'counce X' | n | <u></u> | | > | | | Date | Acres | est 03, 2000 | |
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| City | | Rahway | | | Sta | te | NJ | | ZIP | 07065-090 | 065-0907 | |
| Name of Addition | nal Jo | oint Inventor, if any: | | | |] A | petiti | on has be | een filed fo | or this unsigned | linventor | |
| Give | n Na | me (first and middle [if | any]) | | | | | F | amily Na | ime or Surnar | me | |
| Гіmothy Р. | | | | | В | onner | t | | | | | |
| Inventor's Signature | | | | | | | | | Date | | | |
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| City | Rahway | S | | | te | NJ | | ZIP | 07065-090 | 7 | | |
| Name of Addition | nal Jo | oint Inventor, if any: | | | |] A | petiti | on has be | een filed fo | or this unsigned | linventor | |
| Give | n Na | me (first and middle [if | any]) | any]) Family Name or Surname | | | | | | ne | | |
| Gordon | т | | | Ng | | | | | | | | |
| Inventor's Signature | | | | | | | | | Date | | | |
| Residence: City | Poir | nt-Claire | State | | | Cour | ıtry | CA | | Citizenship | CA | |
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| City | | Rahway | | | Sta | te | NJ | | ZIP | 07065-090 | 7 | |
| Name of Addition | nal Jo | oint Inventor, if any: | | | |] A | petitio | on has be | een filed fo | or this unsigned | linventor | |
| Give | n Na | me (first and middle [if | any]) | | | | | F | amily Na | me or Surnar | ne | |
| Lee F. | | | | | K | olako | wski, | Jr. | | | | |
| Inventor's Signature | | | | | | | | | Date | | | |
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| Post Office Address | Post Office Merck & Co. Inc. P.C. | | | 0 | <u> </u> | | | | | | | |
| City | ldress Merck & Co., inc., P. | | | | Sta | te | NJ | | ZIP | 07065-090 | 7 | |

DECLARATION AND POWER OF ATTORNEY

| | | | | | A petition has been filed for this unsigned inventor | | | | | | | |
|-------------------------|---------|---------------------------|----------|---------------------------------------|------------------------------------------------------|------------|------------|----|-------------|-----|----------------|--------|
| ame of Addition | al Joir | nt Inventor, if any: | | | | A pe | titior | | | | | |
| Giver | n Nam | e (first and middle [if | any]) | | | | | Fa | mily Na | ıme | or Surnam | e |
| anet | | | | | Cla | ark ——— | | | | I | | |
| nventor's Signature | | | | | | | | | Date | | | |
| Residence: City | Bethe | sda | State | MD | | Count | ry | US | | Ci | tizenship | US |
| Post Office Address | N | Merck & Co., Inc., P.O. I | Box 200 | 0 | | | | | | | | |
| City | F | Rahway | | | Stat | | A J | | ZIP | | 07065-0907 | |
| Name of Addition | ıal Joi | nt Inventor, if any: | | | |] A p | etitio | | | | nis unsigned | |
| Give | n Nar | ne (first and middle [if | any]) | | Family Name or Surname | | | | | | | ne |
| Гот I. | | | | | В | onner | | | | η- | | |
| Inventor's Signature | | | | | | | — т | _ | Date | | | |
| Residence: City | Beth | esda | State | MD | | Coun | try | US | | C | itizenship | US |
| Post Office Address | | Merck & Co., Inc., P.O. | Box 200 | 00 | | | | | | | | |
| City | | Rahway | | | State NJ | | | | ZIP | | 07065-090 | |
| Name of Additio | nal Jo | int Inventor, if any: | | | |] A [| etitie | | | | his unsigned | |
| Give | en Na | me (first and middle [i | f any]) | | | | | F | amily N | lam | e or Surnai | ne |
| Inventor's Signature | | | | | | | | | Date | | | T |
| Residence: | | | State | | | Cour | itry | | | C | itizenship | |
| Post Office Address | | Merck & Co., Inc., P.O. | . Box 20 | 000 | | | | | | | | |
| City | | Rahway | | | Sta | ate | NJ | | ZIP | | 07065-090 |)7 |
| Name of Addition | onal Jo | oint Inventor, if any: | | | | A | petiti | | | | this unsigne | |
| Giv | en Na | me (first and middle [| if any]) | | | | | | Family I | Van | ne or Surna | me |
| | | | | | | | | | | | | |
| Inventor's Signature | | | | | | | | | Date | | | |
| Residence: City | | | State | e | | Cou | ntry | , | | | Citizenship | |
| Post Office Address | • | Merck & Co., Inc., P.C |). Box 2 | 000 | | | | | | | | |
| City | | Rahway | | State NJ ZIP 07065-0907 | | | | | 07 | | | |
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| | lease type a plus sign (+) inside this box | STE for PTO/SB/01 (12-97), DECLAR | Approved for use through 9/30/2000. OMB 651-0032 RATION FO ITY OR DESIGN PATENT APPLICATION |
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| 1 | DECLARATION AND 12000 | Attorney Docket Number | 20052YP |
| ١ | POWER OF ATTORNEY FOR UTILITY OR DESIGNA OF A TENT A DRI LCA TION | 7 | Liu, et al. |
| 1 | PATENT APPLICATION | CO | OMPLETE IF KNOWN |
| | | Application Number | 09/601,582 |
| | Declaration | Filing Date | |
| | with Initial OR Filing (surcharge Filing (37 CFR 1.16 (e)) | Group Art Unit | |
| | required) | Examiner Name | |

| As a below named inventor | r, I hereby declare th | at: | | | | |
|----------------------------------------------------------------|---------------------------------------------------|----------------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------|
| My residence, post office ac | ldress, and citizenship | are as sta | ted below next to my name. | | | |
| I believe I am the original, f plural names are listed belo | irst and sole inventor w) of the subject matter | (if only or er which is | ne name is listed below) or a claimed and for which a p | an original, first and joint invert atent is sought on the invention | itor (if entitled | : |
| NOVEL GABAB RECEPTO | R DNA SEQUENCES | 3 | | | | |
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| | | (T | tle of the Invention) | | | |
| the specification of which | | • | , | | | |
| is attached hereto | | | | | | |
| OR was filed on (MM/DD | YYYY) | | as United States Applica | tion Number or PCT Internatio | nal | |
| Application Number | and | l was ame | nded on (MM/DD/YYYY) | (if ap | plicable) | |
| I hereby state that I have re amended by any amendmen | viewed and understand of specifically referred | d the conto | ents of the above identified | specification, including the cla | ims, as | |
| I acknowledge the duty to as defined in 37 CFR 1.56. | | and Trader | mark Office all information | known to me to be material to | patentab | ility |
| certificate, or 365(a) of any | PCT international ap | plication v | which designated at least on becking the box, any foreign | reign application(s) for patent e country other than the United n application for patent or inve he application on which priorit | ntor's | , <u>r</u> |
| Prior Foreign Application Number(s) | Country | | Foreign Filing Date (MM/DD/YYYY) | Attorney Docket Number | Priority YES | y Claimed? NO |
| PCT/US99/02361 | 02/03/1999 | | | | X | |
| 101/00//02/02 | | | | | | |
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| لسا | | | emental priority data sheet PTO | | | |
| I hereby claim the benefit under | er 35 U.S.C. 119(e) of an | y United St | ates provisional application(s) l | isted below. | | |
| Application Nu | | | Filing Date (MM/DD/YYYY) | Attorney Docket | Number | • |
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| designating the is not disclose 35 U.S.C. 112 37 CFR 1.56 | ed in the 2, I ackn which b | d States of A prior United lowledge the became availa | America, listed States or Po | ed below: CT intern lose infor | and, inso national a rmation k | ofar as the application | e subject n in the me to b | ct matter o e manner p be material | or each or provided b I to patent | by the first plants of the characters of the cha | lefined in | ation . |
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| date of this ap | .S. Parent | t Application or | | | | | nt Filing 1/DD/YY | | | | Patent Number (applicable) | • |
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| As a named inv | ventor, I l tered pra | hereby appoin ctitioner(s) to | t, respectively prosecute this | and indiv | idually, as | s my attori transact all | neys or a I busine | agents with ess in the Par | tent and T | or substituti rademark Of | fice | , me |
| connected there | | | Customer Num | | | |] — | | → | | omer Number | |
| | | | OR Registered pra | |) name/reg | gistration r | number | listed below | <u> </u> | Jui Coue L | | <u></u> |
| | Name | | | Registr: Num | ation | | | Nan | | | | tration mber |
| oseph A. Coppo | ola | | 38,4 | | | Jack I | L. Tribl | ble | | | 32,633 | |
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| Direct all corn | responde | ence to: X | Customer | Number o | or Bar Co | de Label | [| 0002 | 10 | | | |
| Name | Joseph A | A. Coppola | | | | | | | | | | |
| Address | Merck & | & Co., Inc | Patent Depa | rtment | | | | | | | | |
| Address | P.O. Bo | ox 2000, RY | · 60-30 | | | | | | | | | |
| City | Rahway | / | | | | State | NJ | | ZIP | 0706 | 55-0907 | |
| Country | USA | | | - | | (732)594- | | | Fax | ` |)594-4720 | |
| 1 12 6 1 1 | lieved to nade are | o be true; and punishable b | d further that by fine or im | t these sta iprisonme | atements ent, or bo | were made th, under ued there | de with 18 U.S on. | S.C. 1001 | and that s | such willful | on information se statements false stateme | anu |
| Name of Sole o | | | | | | | A petitic | | | | ned inventor | |
| | ven Na | ime (first an | nd middle [i | if any]) | | - | | F | amily Na | ame or Sur | name | |
| Qingyun Inventor's | | Liu | | | | $\overline{}$ | | | | | | |
| Inventor's Signature | | | | | | | | | Date | | | |
| Residence: City | Nort | th Wales | | State | PA | Co | ountry | y US | | Citizensl | hip CN | |
| Post Office Address | | Merck & C | Co., Inc., P.C |). Box 200 | 00 | | | | | | | |
| City | | Rahway | | | | St | ate | NJ | ZIP | 07 | 7065-0907 | |
| | l inventor | rs are being na | amed on the | | olemental A | Additional | Invento | ors(s) sheet(s | s) PTO/SB | 1/02A attache | d hereto. | |

| | | | | A petition has been filed for this unsigned inventor | | | | | | | | |
|---------------------------------|-------|-------------------------------------------------|-------------|------------------------------------------------------|----------|----------------|---------|------------|--------------------------------------------------|--------------|-------------|----------|
| | | nt Inventor, if any: | | | | A pe | tition | | | | | |
| Given | Nam | ne (first and middle [if a | any]) | | + | | | Fa | amily Na | me o | r Surnam | e |
| errence | _ | | | | Mc | cDonal | d | | | | | |
| nventor's ignature | | | | | | | | | Date | | | |
| City | Langh | norne | State | PA | (| Count | ry | U S | | Citiz | zenship | US |
| Post Office Address | N | Merck & Co., Inc., P.O. B | 3ox 2000 |) | | - | | | | Т | | |
| City | F | Rahway | | | Stat | | NJ | | ZIP | | 7065-0907 | |
| | | int Inventor, if any: | | | | A pe | etitior | | | | unsigned | |
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| imothy P. | | | | | Bc | onnert | | | | | | |
| nventor's Signature | _ | Timoty Pal | les (S | 30-2 | 2_ | | | | Date | A | ₩ 57 | 15 2000. |
| Pagidanga | Hartf | | State | | | Count | try | uk G | \$ X | Citi | zenship | UK |
| Post Office Address | | Merck & Co., Inc., P.O. I | Box 2000 | 0 | | | | | | | | |
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| Gordon | | | | | | <u>ٿ</u> | | | T | Τ_ | | |
| Inventor's Signature | | | | | | | | | Date | | | |
| Residence: City | Poin | nt-Claire | State | | | Coun | ntry | CA | | Cit | izenship | CA |
| Post Office Address | | Merck & Co., Inc., P.O. | Box 200 | 00 | т | r | | | Τ | | | |
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| Give | n Na | ame (first and middle [if | f any]) | | + | | | | ramily N | ame | or Surnar | 1110 |
| Lee F. | | k | Kolako | wski, | Jr. | | | | | | | |
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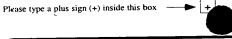


| ame of Addition | al Joi | nt Inventor, if any: | A petition has been filed for this unsigned inventor | | | | | | | | | |
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| Giver | n Nan | ne (first and middle [if | any]) | | | | | F | amily Na | me or | Surnam | e |
| anet | | | | | C | lark | | | | | | |
| nventor's Signature | | | | | | | | | Date | | | |
| Residence: City | Bethe | esda | State | MD | | Coun | try | US | | Citize | enship | US |
| Post Office Address | 1 | Merck & Co., Inc., P.O. I | Box 200 | 0 | 1 | | | | | | | |
| City | | Rahway | | | Sta | ite | NJ | | ZIP | 070 | 065-0907 | |
| Name of Addition | nal Joi | int Inventor, if any: | | | | Ap | etitio | | en filed fo | | | |
| Give | n Nar | me (first and middle [if | any]) | any]) Family Name or Surname | | | | | | | ne | |
| Гот I. | | | Bonner | | | | | | | | | |
| Inventor's Signature | | | | | | | | | Date | | | |
| Residence: City | Beth | esda | State MD C | | | | try | US | | Citiz | enship | US |
| Post Office Address | | Merck & Co., Inc., P.O. | . Box 2000 | | | | | | | | | |
| City | | Rahway | | | | State NJ | | | ZIP | | 07065-0907 | |
| Name of Addition | nal Jo | int Inventor, if any: | | A petition has been filed for this unsigned invento | | | | | | | | |
| Give | n Na | me (first and middle [if | any]) Family Name or Surname | | | | | | | ne | | |
| Inventor's Signature | | | | | | | | | Date | | | |
| Residence: City | | | State | | | Cou | ntry | | | Citiz | zenship | |
| Post Office Address | | Merck & Co., Inc., P.O. | Box 200 | 00 | | | | | | | | |
| City | | Rahway | _ | | St | ate | NJ | | ZIP | 07 | 7065-090 | 7 |
| | | oint Inventor, if any: | | | _[| A | petiti | | | | | d inventor |
| Give | en Na | nme (first and middle [i | f any]) | | | | |] | Family N | lame o | r Surna | me |
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| Inventor's Signature | | | | | | | | | Date | | | |
| Residence: City | State | | | Cou | ntry | | | Citi | zenship | | | |
| Post Office Address | | Merck & Co., Inc., P.O. | P.O. Box 2000 | | | | | T | 1 | | | |
| City | | Rahway | | | St | State NJ | | | ZIP | 0 | 7065-090 |)7 |

| | Please ty | pe a plus sign (+) | , inside th | is box | superptr | TIE for PTO/SB/01 (12-97), DEC | Approved for use through 9/30/2000. OMB 651-0032 |
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| 1 | | DECL | ARA | TIO | NAND SOO | Afterney Docket Number | r 20052YP |
| ł | | TO STITLE | · ^ n | A 7837 | TORNEY | First Named Inventor | Liu, et al. |
| l | | TOR UTT DATEN | ТАТ | PPLI | CATION | | COMPLETE IF KNOWN |
| l | | | 7 CFI | | | Application Number | 09/601,582 |
| | | Declaration | | X | Declaration Submitted after Initial | Filing Date | |
| Ì | | Submitted with Initial Filing | OR | | Filing (surcharge (37 CFR 1.16 (e)) | Group Art Unit | |
| | | - | | | required) | Examiner Name | |

| As a below named inventor, I hereby declare that: | | | | | | | | | | | | | |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------|---------------------------------------------------------|------------|---------------------|-----|--|--|--|--|--|--|
| My residence, post office add | My residence, post office address, and citizenship are as stated below next to my name. | | | | | | | | | | | | |
| I believe I am the original, fin plural names are listed below | rst and sole inventor () of the subject matter | (if only oner which is | ne name is listed below) or an claimed and for which a pa | n original, first and join tent is sought on the inv | t invento | or (if entitled: | | | | | | | |
| NOVEL GABAB RECEPTOR | DNA SEQUENCES | , | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | (Ti | tle of the Invention) | | | | | | | | | | |
| the specification of which | | | | | | | 1 | | | | | | |
| is attached hereto | | | | | | | | | | | | | |
| OR was filed on (MM/DD/) | (YYY) | | as United States Applicat | ion Number or PCT Inte | ernationa | al | | | | | | | |
| Application Number | and | l was amer | nded on (MM/DD/YYYY) | | (if appl | icable). | | | | | | | |
| I hereby state that I have rev amended by any amendment | iewed and understand specifically referred | d the conte to above. | ents of the above identified s | pecification, including | the clair | ns, as | | | | | | | |
| I acknowledge the duty to di as defined in 37 CFR 1.56. | sclose to the Patent a | and Trader | nark Office all information k | tnown to me to be mate | rial to pa | atentabili | ity | | | | | | |
| I hereby claim foreign priori certificate, or 365(a) of any America, listed below and ha certificate, or of any PCT in | PCT international appare also identified be | plication v low, by ch | which designated at least one necking the box, any foreign | application for patent of | or invent | or's | | | | | | | |
| Prior Foreign Application Number(s) | Country | | Foreign Filing Date (MM/DD/YYYY) | Attorney Docket Nu | | Priority (| | | | | | | |
| PCT/US99/02361 | 02/03/1999 | | | | | X | | | | | | | |
| (1,00),102301 | | | | | | | | | | | | | |
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| _ | | | mental priority data sheet PTO/S | | | | | | | | | | |
| I hereby claim the benefit under | 35 U.S.C. 119(e) of any | y United Sta | | ted below. | | | | | | | | | |
| Application Num | nber(s) | | Filing Date (MM/DD/YYYY) | Attorney D | ocket N | umber | | | | | | | |
| 60/073,767 | | 02/05/19 | 998 | 20052PV | | | | | | | | | |
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| I hereby claim the benefit under 35 U.s designating the United States of Amer is not disclosed in the prior United States 35 U.S.C. 112, I acknowledge the duty 37 CFR 1.56 which became available date of this application. | rica, listed below tes or PCT inte | w and, inso ernational appropriate the second control of the secon | far as the specification | in the | t matter of manner p e material | rovided b | by the first ability and all or PC | st parag s define T inter | graph of ed in national f | |
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| U.S. Parent Application or PCT Application Number | Parent | | | Filing I DD/YYY | | | Par | ent Pateı (if appli | nt Number cable) | |
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| Additional U.S. or PCT international | application numb | pers are listed | on a supple | mental | priority da | ta sheet P7 | ro/SB/02 | B attach | ed hereto. | |
| As a named inventor, I hereby appoint, res following registered practitioner(s) to pros connected therewith: | postivaly and ind | dividually, as ation and to t | my attorne ransact all b | ys or ag ousines | gents with sis in the Par | full power tent and Ti | of substit | otion ar Office estomer | nd revocati Number | on, the |
| | Regis | stration | | | Nan | | | | Regist | ration nber |
| Name | 38,413 | ımber | Jack L. | Tribb | ole | | | 32 | ,633 | inci |
| oseph A. Coppola | 38,413 | | Juen 2 | | | | | | | |
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| Direct all correspondence to: X Cu | ustomer Numbe | er or Bar Co | de Label | | 0002 | 10 | | | | |
| Name Joseph A. Coppola | | <u> </u> | | | | | | | | |
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| Address P.O. Box 2000, RY60- | 30 | | | γ - | | T | | | | |
| City Rahway | | | State | NJ | | ZIP | 07 | 065-09 | 07 | |
| Country USA | 1 | • 1 | (732)594-6 | | | Fax | L`_ | 32)594 | | |
| I hereby declare that all statements medile are believed to be true; and fur the like so made are punishable by firmay jeopardize the validity of the ap | ther that these ne or imprison | statements ment, or bo | th, under l | 8 U.S n. | .C. 1001 | and that s | uch will | ful false | e stateme | |
| Name of Sole or First Inventor: | | | A | petitio | on has been | | | | | |
| Given Name (first and n | niddle [if any] |) | Liu | | Fa | amily Na | ime or S | surnan | 16 | |
| Qingyun Inventor's | | | Liu | | | Data | ľ | | | |
| Signature | | | | | | Date | | | | |
| Residence: City North Wales | Stat | te PA | Cou | untry | US | | Citize | nship | CN | |
| Post Office Address Merck & Co., I | nc., P.O. Box | 2000 | | | | | | | | |
| City Rahway | | | Sta | te | NJ | ZIP | | 07065 | -0907 | |
| Additional inventors are being named | d on the 2 su | upplemental . | Additional I | nventor | rs(s) sheet(s | s) PTO/SB | /02A atta | ched her | reto. | |



| Name of Additiona | ıl Joi | nt Inventor, if any: | | | | Ap | etitio | n has bee | n filed fo | or this | unsigned | inventor | | | |
|-------------------------|---------------------------|--------------------------|----------|---------------------------------------------|------------------------------------------------------|-------------|---------------------------|-------------|--------------|-------------|------------|----------|--|--|--|
| Given | Nam | ne (first and middle [if | any]) | | I | | | Fa | mily Na | me or | Surnam | e | | | |
| Геттепсе | | | | | М | lcDona | ıld | | , | | | | | | |
| Inventor's Signature | | | | | | | | | Date | | | | | | |
| Residence: City | Langl | horne | State | PA | | Coun | try | US | | Citiz | enship | US | | | |
| Post Office Address | | Merck & Co., Inc., P.O. | Box 200 | 0 | 1 | | | | | | | | | | |
| City | 1 | Rahway | | | Sta | te | NJ | | ZIP | 07 | 065-0907 | | | | |
| Name of Addition: | al Joi | nt Inventor, if any: | | | A petition has been filed for this unsigned inventor | | | | | | | | | | |
| Given | ı Nan | me (first and middle [if | any]) | | \bot | | | Fa | amily Na | ime o | r Surnam | ne | | | |
| Timothy P. | | | | | В | onnert | | | _ | т—— | | | | | |
| Inventor's Signature | | | | | | | | | Date | | | | | | |
| Residence: City | ence: Hartfordshire State | | | | | | Country UK Citizenship UK | | | | | | | | |
| Post Office Address | | Merck & Co., Inc., P.O. | 00 | | | | | | | | | | | | |
| City | | Rahway | <u> </u> | | Sta | ate | NJ | | ZIP | 07 | 7065-0907 | 7 | | | |
| Name of Addition | al Jo | int Inventor, if any: | | A petition has been filed for this unsigned | | | | | | | | | | | |
|) Givei | n Nai | me (first and middle [if | f any]) | | \bot | | | F | amily N. | ame o | or Surnan | a.Ng | | | |
| Gordon | | | | | Ī | Ng | | | | L | igust | <u>ч</u> | | | |
| Inventor's Signature | | Zaroh V | راح | | | | | | Date | Fr. | 多3,2 | က္ဝဝ | | | |
| Residence: City | Poin | t-Claire | State | | | Cour | ntry | CA C | A | Citi | zenship | CA | | | |
| Post Office Address | | Merck & Co., Inc., P.O. | Box 20 | 00 | | | | | | | | | | | |
| City | | Rahway | | | Sta | ate | NJ | | ZIP | 0 | 7065-090 | 7 | | | |
| | | oint Inventor, if any: | | | | A | petiti- | | | | s unsigned | | | | |
| Give | n Na | me (first and middle [i | f any]) | | _ | | | | amily N | ame c | or Surnar | ne | | | |
| Lee F. | | | | | | Kolako | wski, | , Jr. | | | | | | | |
| Inventor's Signature | | | | | | | | | Date | | | | | | |
| Residence: City | San | Antonio | State | TX | | Cou | ntry | Us | | Citi | izenship | us | | | |
| Post Office Address | | Merck & Co., Inc., P.O. | . Box 20 | 100 | | | | | | | | | | | |
| City | Rahway | | | | | State NJ ZI | | | ZIP | 07065-0907 | | | | | |



| Name of Addition | al Joi | nt Inventor, if any: | | A petition has been filed for this unsigned inventor | | | | | | | | | | |
|-------------------------|--------|---------------------------|---------|------------------------------------------------------|------------------------------------------------------|------------------|---------------|------|-------------|------------------|------------|--|--|--|
| Giver | Nar | ne (first and middle [if | any]) | | T | | | F | amily Na | me or Surnan | ne | | | |
| anet | | | | | C | lark | | | | | | | | |
| nventor's Signature | | | | | | | | | Date | | | | | |
| Residence: City | Bethe | esda | State | MD | | Coun | try | US | | Citizenship | US | | | |
| Post Office Address |] | Merck & Co., Inc., P.O. I | Box 200 | 0 | | | | — т | | | | | | |
| City | | Rahway | | | Sta | ite | NJ | | ZIP | 07065-090 | 7 | | | |
| Name of Addition | al Joi | int Inventor, if any: | | | A petition has been filed for this unsigned inventor | | | | | | | | | |
| Giver | n Nar | me (first and middle [if | any]) | | Family Name or Surname | | | | | | | | | |
| Γom I. | | | | | В | Sonner | | | | r | | | | |
| Inventor's Signature | | | | | | | | | Date | | | | | |
| Residence: City | Beth | esda | State | MD | | Coun | itry | US | | Citizenship US | | | | |
| Post Office Address | | Merck & Co., Inc., P.O. | 0 | | | | T | | | | | | | |
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| | | int Inventor, if any: | | | |] A ₁ | petitio | | | or this unsigned | | | | |
| Give | n Nai | me (first and middle [if | any]) | | Family Name or Surname | | | | | | | | | |
| Inventor's Signature | | | | | | | | | Date | | | | | |
| Residence: City | | | State | | | Cour | itry | | | Citizenship | | | | |
| Post Office Address | | Merck & Co., Inc., P.O. | Box 200 | 00 | | | | | | | | | | |
| City | | Rahway | | | Sta | ate | NJ | | ZIP | 07065-090 | 7 | | | |
| | | int Inventor, if any: | | | |] A | petiti | | | or this unsigned | | | | |
| Give | n Na | me (first and middle [if | fany]) | | + | | | F | amily N | ame or Surnai | me | | | |
| | 1 | | | | | | | T | T | | | | | |
| Inventor's Signature | | | · | | | | | Date | | | - | | | |
| Residence: City | | | State | | Country | | | | | Citizenship | | | | |
| Post Office Address | | Merck & Co., Inc., P.O. | 00 | | | | | | | | | | | |
| City | | Rahway | | | Sta | State NJ | | | ZIP | 07065-090 | 07065-0907 | | | |

| • | | /- | DEC | | |
|----------------------------------------------------------------------------|-------|-------|-------------------------------------------------------------------|------------------------|------------------|
| DECL | ARA | TIC | 2000 | Attorney Docket Number | 20052YP |
| DECLARATION AND POWER OF ATTORNEY FOR UTILITY OR DESIGN PATENT APPLICATION | | | | First Named Inventor | Liu, et al. |
| PATEN | T A T | DOLL | CATION | CO | OMPLETE IF KNOWN |
| PATEN (37 | 7 CFI | R 1.6 | i3) | Application Number | 09/601,582 |
| Declaration | | X | Declaration | Filing Date | |
| Submitted with Initial Filing | OR | | Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) | Group Art Unit | |
| | | | required) | Examiner Name | |

| As a below named inventor, | , I hereby declare th | at: | | | | | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------|---------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------|--|--|--|--|--|--|
| My residence, post office address, and citizenship are as stated below next to my name. | | | | | | | | | | | | |
| I believe I am the original, fin plural names are listed below | rst and sole inventor (| (if only or | ne name is listed below) or a s claimed and for which a pa | n original, first and joint invent atent is sought on the invention | tor (if entitled: | | | | | | | |
| NOVEL GABAB RECEPTOR | | | | | | | | | | | | |
| | | | | | | _] | | | | | | |
| | | (T | itle of the Invention) | | | | | | | | | |
| the specification of which | | | | | | | | | | | | |
| is attached hereto OR | | | - -1 | | | | | | | | | |
| OR was filed on (MM/DD/YYYY) as United States Application Number or PCT International | | | | | | | | | | | | |
| Application Number | and | was amei | nded on (MM/DD/YYYY) | (if app | olicable). | | | | | | | |
| I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above. | | | | | | | | | | | | |
| I acknowledge the duty to di as defined in 37 CFR 1.56. | sclose to the Patent a | and Trade | mark Office all information | known to me to be material to p | oatentabi | lity | | | | | | |
| certificate, or 365(a) of any | PCT international app | plication v | which designated at least one hecking the box, any foreign | reign application(s) for patent of e country other than the United a application for patent or inven- te application on which priority | itor's | • | | | | | | |
| Prior Foreign Application Number(s) | Country | | Foreign Filing Date (MM/DD/YYYY) | Attorney Docket Number | Priority YES | Claimed? | | | | | | |
| PCT/US99/02361 | 02/03/1999 | | | | X | | | | | | | |
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| | _ | | emental priority data sheet PTO/ | | | | | | | | | |
| I hereby claim the benefit under | 35 U.S.C. 119(e) of any | y United St | | sted below. | | | | | | | | |
| Application Nun | nber(s) | | Filing Date (MM/DD/YYYY) | Attorney Docket | Number | | | | | | | |
| 60/073,767 | | 02/05/1 | 998 | 20052PV | | | | | | | | |
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| designating the | ne United ed in the 2, I ackn which b | d States of A prior United lowledge the became avail: | 5 U.S.C 120 of America, listed I States or PCT duty to disclosable between t | below a f interna | and, inso ational a | ofar a pplic | s the su ation in | ibjec i the ito b | t matter o manner p e material | rovi I to r | ded b | y the fir ability a al or PC | st parag s define | graph of ed in national f | |
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| | J.S. Paren | t Application or pplication Num | | | | | Parent F (MM/Dl | | | | | Par | rent Pate (if appl | nt Number icable) | |
| CT/US99/0236 | | ppication (4am | | | 02. | /03/19 | | | | | | | | | |
| 50/073,767 | | | | | 02 | /05/2 | 098 | | | | | | | | |
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| - Additions | at II S or | PCT internation | onal application | numbers | are listed | l on a | supplen | nental | l priority da | ata sh | neet PT | O/SB/02 | B attach | ned hereto. | |
| | | | antivolva | nd indivi | dually as | s my a | ttornev | s or a | gents with | full 1 | power | of substi | tution ai | nd revocati | on, the |
| following regis | stered pra | ectitioner(s) to | t, respectively all prosecute this a Customer Number OR Registered practi | er | and to | transa | | | | - | _ [| Place Ci Bar Cod | ustomer | Number here | |
| | Nam | e | | Registra Numl | | | | | Nan | ne | | | | | ration nber |
| Joseph A. Copp | oola | | 38,41 | | | Ja | ack L. | Tribb | ole | | | | 32 | 2,633 | |
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| Direct all cor | rrespond | ence to: X | Customer Nu | umber o | r Bar Co | ode La | abel | L | 0002 | 10 | | | | | |
| Name | Joseph | A. Coppola | | | | | | | | | | | | | |
| Address | Merck | & Co., Inc | Patent Departi | ment | | | | | | | | | | | |
| Address | P.O. Bo | ox 2000, RY | 760-30 | | | | | | | | | | | | |
| City | Rahwa | у | | | | Sta | ate | NJ | | ZI | P | 07 | 7065-09 | 907 | |
| Country | USA | | | 1 - | i | ` ' |)594-67 | | | Fa | _ | `_ | 32)594 | | |
| belief are be | elieved t nade are | o be true; and punishable l | nts made hereind further that to by fine or impore application of | nese sta risonme | itements nt, or bo | were th, u | nder 18 hereon. | U.S | S.C. 1001 | and | that s | uch will | ful fals | e stateme | |
| Name of Sole | or First | Inventor: | | | | | A p | etitio | on has bee | | | | | | |
| G | iven Na | ame (first ar | nd middle [if | any]) | | | | _,- | F | ami | Iy Na | me or S | Surnan | ne | |
| Qingyun Inventor's | | | | | | | Liu —— | | | | 4.0 | | | | |
| Signature | | | | | <u> </u> | | т | | | Da | ıe | | | | |
| Residence: City | Nor | th Wales | | State | PA | | Cou | ntry | US | | | Citize | nship | CN | |
| Post Office Address | | Merck & C | Co., Inc., P.O. | Box 200 | 00 | | | | | | | | 1 | | |
| City | - | Rahway | | | | | State | e | NJ | | ZIP | | 07065 | 5-0907 | |
| X Addition | al invento | ors are being n | amed on the | 2 supp | lemental | Addit | ional In | vento | rs(s) sheet(| (s) P1 | ro/SB/ | /02A atta | ched he | reto. | |
| | | | | _ | | | | | | | | | | | |



| lame of Additions | al Joir | nt Inventor, if any: | | | A petition has been filed for this unsigned inventor | | | | | | | | |
|-------------------------|---------|--------------------------|-----------|---------------|------------------------------------------------------|---------|--------|---------------|------------|--------------|----|--|--|
| Giver | Nam | ne (first and middle [if | any]) | | | | Fa | mily Na | me c | or Surname | 2 | | |
| Геттепсе | | | | | McDon | ald | | - | | | | | |
| nventor's Signature | | | · | T | | | | Date | | | | | |
| Residence: City | Langl | norne | State | PA | Cour | ntry | US | | Citi | zenship | US | | |
| Post Office Address | N | Merck & Co., Inc., P.O. | Box 200 | 00 | | | | | | | | | |
| City | I | Rahway | | | State | NJ | | ZIP | | 7065-0907 | | | |
| Name of Addition | al Joi | nt Inventor, if any: | İ | | A petition has been filed for this unsigned inventor | | | | | | | | |
| Give | n Nar | ne (first and middle [i | f any]) | | | | F | amily Na | ame_ | or Surnam | e | | |
| Timothy P. | | | | | Bonne | t | | | | | | | |
| Inventor's Signature | | | | | | | | Date | | | | | |
| Residence: City | Hartí | Fordshire | State | | Cou | ntry | UK | | Cit | izenship | UK | | |
| Post Office Address | | Merck & Co., Inc., P.O. | Box 20 | 00 | | | | | | | | | |
| City | | Rahway | | | State | NJ | | ZIP | - 1 | 07065-0907 | | | |
| Name of Addition | nal Jo | int Inventor, if any: | <u> </u> | | A | petiti | | | | is unsigned | | | |
| Give | n Na | me (first and middle [i | if any]) | | | | F | amily N | ame | or Surnan | ne | | |
| Gordon | | | | | Ng | | | | 1 | | | | |
| Inventor's Signature | | | | | | | | Date | | | | | |
| Residence: City | Poin | it-Claire | State | | Cou | intry | CA | | Ci | tizenship | CA | | |
| Post Office Address | | Merck & Co., Inc., P.O |). Box 20 | 000 | T | | | | | | | | |
| City | | Rahway | | | State | NJ | | ZIP | | 07065-090 | 7 | | |
| | | oint Inventor, if any: | | | | A petit | | | | nis unsigned | | | |
| Giv | en Na | me (first and middle [| if any]) |) | | | | Family N | lame | or Surna | me | | |
| Lee F. | | | 1 1 - | \mathcal{M} | Kolal | owsk | 1, Jr. | | | | | | |
| Inventor's Signature | ' | List Kola | Koh | 18/0 | | | | Date | | | 1 | | |
| Residence: City | San | Antonio | State | e RX | Z Cº | untr | y Us | | Ci | itizenship | US | | |
| Post Office Address | | Merck & Co., Inc., P.C | 000 | | | | | | | | | | |
| City | | Rahway | | | State | NJ | | ZIP | 07065-0907 | | | | |



| | | Γ | | | | | . 1 1 | n filed for | r this | unsigned i | nventor | | |
|-------------------------|----------------------------|--------------|------|----------------|------------------------------------------------------------------------------|--------|--------------|--------------------|----------|--------------|------------|--|--|
| | Joint Inventor, if any: | | | | A petition has been filed for this unsigned inventor Family Name or Surname | | | | | | | | |
| Given N | lame (first and middle [it | any]) | | | | | Fa | imily Na | me c | or Surnam | е | | |
| anet | | | | CI | ark | | | Г | | | | | |
| nventor's Signature | | | 1 | - 1 | | | | Date | | - T | | | |
| Residence: Be | ethesda | State | MD | | Count | try | US | | Citi | zenship | US | | |
| Post Office Address | Merck & Co., Inc., P.O. | Box 200 | 00 | Γ | | | | | | 7065-0907 | | | |
| City | Rahway | | | Sta | State 10 ZX | | | | | | | | |
| Name of Additional | Joint Inventor, if any: | | | | A petition has been filed for this unsigned inventor Family Name or Surname | | | | | | | | |
| Given 1 | Name (first and middle [| f any]) | | _ | | | F | amily Na | me | or Surnan | ne | | |
| Tom I. | | | | В | onner | | | T | _ | | | | |
| Inventor's Signature | | · | | | | | | Date | | | | | |
| Residence: B | ethesda | State | MD | | Coun | itry | US | | Cit | izenship | US | | |
| Post Office Address | Merck & Co., Inc., P.C | . Box 20 | 00 | | | | | arn | | 07065-090 | 7 | | |
| City | Rahway | | | Sta | | NJ | | ZIP | | | | | |
| Name of Additiona | l Joint Inventor, if any: | | | | A | petiti | on has b | een filed 1 | for th | nis unsigned | l inventor | | |
| Given | Name (first and middle | if any]) | | | | | F | Family N | ame | or Surnai | me | | |
| | | | | | | | | | | | | | |
| Inventor's Signature | | | | | | | , | Date | | | 1 | | |
| Residence: City | | State | e | | Cou | ntry | | | Ci | itizenship | | | |
| Post Office Address | Merck & Co., Inc., P.O | D. Box 20 | 000 | | | _ | | т | | | | | |
| City | Rahway | | | St | ate | NJ | | ZIP | | 07065-090 |)7 | | |
| | al Joint Inventor, if any: | | | | A | petit | | | | his unsigne | | | |
| Given | Name (first and middle | [if any] |) | | | | | Family N | Nam | e or Surna | me | | |
| | | | | | | | | 1 | | | | | |
| Inventor's Signature | | · | | | | | | Date | + | | | | |
| Residence: City | | | Cou | intry | / | | C | itizenship ———— | | | | | |
| Post Office Address | Merck & Co., Inc., P. | O. Box 2 | 2000 | | | | | | | | | | |
| City | Rahway | | S | tate | NJ | | ZIP | | 07065-09 | | | | |

| DECLARATION AND |
|------------------------|
| POWER OF ATTORNEY |
| FOR UTILITY OR DESIGN |
| PATENT APPLICATION |
| (37 CFR 1.63) |

Declaration
Submitted
with Initial
Filing

OR

Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))

required)

| - EG-/ | | |
|------------------------|------------------|--|
| Attorney Docket Number | 20052YP | |
| First Named Inventor | Liu, et al. | |
| · C | OMPLETE IF KNOWN | |
| Application Number | 09/601,582 | |
| Filing Date | | |
| Group Art Unit | | |
| Examiner Name | | |

As a below named inventor, I hereby declare that: My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: NOVEL GABAB RECEPTOR DNA SEQUENCES (Title of the Invention) the specification of which is attached hereto as United States Application Number or PCT International was filed on (MM/DD/YYYY) and was amended on (MM/DD/YYYY) Application Number I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above. I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in 37 CFR 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed. Priority Claimed? Foreign Filing Date **Prior Foreign Application Attorney Docket Number** YES (MM/DD/YYYY) Country Number(s) 02/03/1999 PCT/US99/02361 Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto: I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below. **Filing Date Attorney Docket Number** (MM/DD/YYYY) Application Number(s) 20052PV 02/05/1998 60/073,767

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| I hereby claim designating this not disclose 35 U.S.C. 11 37 CFR 1.56 date of this a | he Unito sed in th 2, I ack which | ed States of e prior Unite nowledge the became avai | America, ed States of duty to | listed or PCT disclos | below I inter se info | and, instantional armation | sofar a applic know | s the s cation in to me | subje in the e to l | ect matter e manner be materi: | of each provide al to pat | of ed b tent | the claim by the firstability as | s of t t par defi | this applica agraph of ned in | ation |
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| As a named in following regi | stered pr | hereby appoir actitioner(s) to | nt, respecti prosecute | ively an | id indiv | on and to | s my a transa | ittorney ct all b | s or a | agents with | full pov | ver d Tr | of substitu ademark C | tion a Office | and revocati | ion, the |
| connected the | iewitii. | | Customer OR Registered | | Ь | s) name/re | gistrat | on nur | nber | listed belo | w | | Place Cus Bar Code | | | |
| | Nam | ie | | , | Registi Nun | | | | | Na | me | | | | | ration nber |
| Joseph A. Copp | oola | | | 38,413 | | | Ja | nck L. | Tribl | ble | | | | 3 | 2,633 | |
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| Direct all cor | respond | ence to: X | Custon | ner Nu | mber o | or Bar Co | ode La | ibel | | 0002 | 210 | | | | | |
| Name | Joseph | A. Coppola | | | | | | | | | | | | | | |
| Address | Merck | & Co., Inc | Patent D | epartn | nent | | | | | | | _ | | | | |
| Address | P.O. Bo | ox 2000, RY | 760-30 | | | | | | | | | | | | | |
| City | Rahwa | y | | | | | Sta | te | NJ | | ZIP | | 070 | 55-09 | 907 | |
| Country | USA | | | | Telej | phone | (732) | 594-67 | 34 | | Fax | | (732 | 2)594 | 1-4720 | |
| I hereby dec belief are be the like so m may jeopard | lieved to nade are | o be true; and punishable l | d further to by fine or | that the | ese sta sonme | itements nt, or bo | were i | made v der 18 | with | the know | ledge th | at v | willful fal | se st | atements a | nd |
| Name of Sole of | r First | Inventor: | | | | | | A pe | etitio | on has bee | n filed 1 | for 1 | this unsig | ned i | inventor | |
| Gi | ven Na | me (first ar | ıd middl | e [if a | ny]) | | | | | F | amily I | Var | ne or Su | rnan | ne | |
| Qingyun | | | | | | | L | .iu | | | | _ | | | | |
| Inventor's Signature | | | ×-m | | | T | | | | | Date | | | , | | · |
| Residence: City | Nort | h Wales | | s | State | PA | | Coun | ntry | US | | | Citizens | hip | CN | |
| Post Office Address | | Merck & C | o., Inc., I | P.O. B | ox 200 | 00 | - 1 | | | | | | | - | | |
| City | | Rahway | | | | | | State | ; | NJ | ZI | P | 0 | 7065 | -0907 | <u>-</u> . |
| X Additional | linventor | s are being na | med on th | e2 | _ supp | lemental / | Additio | nal Inv | entor | s(s) sheet(s | s) PTO/S | В/0 | 2A attache | d her | eto. | |

| Name of Addition | al Jo | oint Inventor, if any: | | | A petition has been filed for this unsigned inventor | | | | | | | | |
|-------------------------|----------------------|--------------------------------|---------|----------|------------------------------------------------------|--------|------------|-----------|--------------|------------------|----------|--|--|
| Give | n Na | me (first and middle [if | any]) | | | | | F | amily Na | me or Surnan | ne | | |
| Геттепсе | | | | | N | 1cDon | ald | | | | | | |
| Inventor's Signature | | | | | | | | | Date | | | | |
| Residence: City | Lang | ghorne | State | PA | | Cour | itry | US | | Citizenship | US | | |
| Post Office Address | | Merck & Co., Inc., P.O. I | Box 200 | 0 | | | | | | | | | |
| City | | Rahway | | | Sta | ite | NJ | | ZIP | 07065-0903 | 7 | | |
| Name of Addition | al Jo | oint Inventor, if any: | | | |] A | petitio | on has be | een filed fo | or this unsigned | inventor | | |
| Give | n Na | me (first and middle [if | any]) | | Family Name or Surname | | | | | | | | |
| Γimothy P. | | | | <u>.</u> | В | onner | t | | | | | | |
| Inventor's Signature | | | | | | | | | Date | | | | |
| Residence: City | Hart | fordshire | State | | | Cour | UK | | | | | | |
| Post Office Address | | Merck & Co., Inc., P.O. I | 0 | r- | | | | | | | | | |
| City | | Rahway | | Sta | ite | NJ | | ZIP | 07065-090 | 7 | | | |
| Name of Addition | al Jo | oint Inventor, if any: | | | |] A | petitio | | | or this unsigned | | | |
| Give | n Na | me (first and middle [if | any]) | | _ | | | F | amily Na | ime or Surnar | ne | | |
| Gordon | | | | | Ng | | | | | | | | |
| Inventor's Signature | | | | | | | | | Date | | | | |
| Residence: City | Poin | nt-Claire | State | | | Cour | itry | CA | | Citizenship | CA | | |
| Post Office Address | | Merck & Co., Inc., P.O. | Box 200 | 0 | | | | | | | | | |
| City | | Rahway | | | Sta | ıte | NJ | | ZIP | 07065-090 | 7 | | |
| | | oint Inventor, if any: | | | |] A | petitio | | | or this unsigned | | | |
| Give | n Na | me (first and middle [if | any]) | | | | | F | amily Na | ime or Surnar | ne | | |
| Lee F. | , | | | | K | Colako | wski, | Jr. | | Т | | | |
| Inventor's Signature | | | | | | | | Date | | | | | |
| Residence: City | San Antonio State TX | | | | | | Country Us | | | Citizenship | us | | |
| Post Office Address | | Merck & Co., Inc., P.O. | 0 | | | | | | | | | | |
| City | | Rahway State NJ ZIP 07065-0907 | | | | | | | | | | | |



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| Name of Addition | int Inventor, if any: | | A petition has been filed for this unsigned inventor | | | | | | | | | | |
| Giver | | Family Name or Surname | | | | | | | | | | | |
| Janet | | | | | Clark | | | | | | | | |
| Inventor's Signature | | Janet Cla | k | | _ | Г | | | | al-a | ıg - 2∞0 | | |
| Residence: City | Beth | esda | da State MD/W L | | | Country US | | | | Citizenship | US | | |
| Post Office Address | | Merck & Co., Inc., P.O. I | 3ox 200 | 0 | r | | | | | | | | |
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| Name of Addition | | |] A | petitio | | | or this unsigned | | | | | | |
| Give | n Na | me (first and middle [if | any]) | | \perp | | | F | amily Na | ime or Surnar | ne | | |
| Tom I. | | | | | В | onner | | | | | | | |
| Inventor's Signature | | | | | | | | | Date | | | | |
| Residence: City | Beth | esda | State | MD | | Cour | intry US | | | Citizenship | US | | |
| Post Office Address | | Merck & Co., Inc., P.O. | Box 200 | 0 | 1 | | | | | | | | |
| City | | Rahway | | | Sta | tate NJ | | | ZIP | 07065-090 | 7 | | |
| | | int Inventor, if any: | | | A petition has been filed for this unsigned inventor | | | | | | | | |
| Give | n Na | me (first and middle [if | any]) |) Family Name or Surname | | | | | | | | | |
| Inventor's Signature | | | | | | | | | Date | | | | |
| Residence: City | | | State | | | Cour | ntry | | | Citizenship | | | |
| Post Office Address | | Merck & Co., Inc., P.O. | Box 200 | 0 | | | | | | | | | |
| City | | Rahway | | | Sta | ite | NJ | | ZIP | 07065-090 | 7 | | |
| | | oint Inventor, if any: | | | | A petition has been filed for this unsigned inventor | | | | | | | |
| Give | n Na | me (first and middle [if | any]) | | - | Family Name or Surname | | | | | | | |
| | | | | | | | | | T | | | | |
| Inventor's Signature | | | | | | | ··· | | Date | | | | |
| Residence: City | | | State | | | Cou | ntry | | | Citizenship | | | |
| Post Office Address | | Merck & Co., Inc., P.O. | Box 200 | 0 | 1 | | | | | | | | |
| City | | Rahway | | Sta | State NJ | | | ZIP | 07065-090 | 07065-0907 | | | |

| DECLARATION | ND Attorney Docket Number | 20052YP |
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| POWER OF ATTOR FOR UTILITY OR DE PATENT APPLICAT | NEY a | Liu, et al. |
| PATENT APPLICAT | ION & O | COMPLETE IF KNOWN |
| FOR UTILITY OR DE PATENT APPLICAT (37 CFR 1.63) | Application Number | 09/601,582 |
| Declaration Declar | | |
| with Initial OR Filing Filing (37 Cl | (surcharge R 1.16 (e)) Group Art Unit | |
| require | Examiner Name | |

| As a below named inventor | , I hereby declare t | hat: | | | | | | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|---------------|--|--|--|--|
| My residence, post office address, and citizenship are as stated below next to my name. | | | | | | | | | | |
| I believe I am the original, fi plural names are listed below | irst and sole inventor w) of the subject mat | r (if only o | one name is listed below) or a is claimed and for which a pa | n original, first and joint intent is sought on the inver | nventor (if ntion entitled: | | | | | |
| NOVEL GABAB RECEPTOR DNA SEQUENCES | | | | | | | | | | |
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| | | | Post (C. L. Laurentina) | | | | | | | |
| the specification of which | | {1 | Title of the Invention) | | | | | | | |
| is attached hereto | | | | | | | | | | |
| OR was filed on (MM/DD/ | YYYY) | | as United States Applicat | ion Number or PCT Intern | ational | | | | | |
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| I hereby state that I have rev amended by any amendment | | | tents of the above identified s | pecification, including the | e claims, as | | | | | |
| I acknowledge the duty to di as defined in 37 CFR 1.56. | sclose to the Patent | and Trader | mark Office all information k | known to me to be material | l to patentabilit | ty | | | | |
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| certificate, or 365(a) of any America, listed below and h | PCT international ap ave also identified be | oplication velow, by cl | 9(a)-(d) or 365(b) of any ford which designated at least one hecking the box, any foreign a filing date before that of the | country other than the Un application for patent or in | nited States of nventor's | | | | | |
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| certificate, or 365(a) of any America, listed below and he certificate, or of any PCT interpretation Number(s) PCT/US99/02361 Additional foreign application I hereby claim the benefit under | PCT international apave also identified beternational application Country 02/03/1999 | pplication velow, by cloon having a | which designated at least one hecking the box, any foreign a filing date before that of the Foreign Filing Date (MM/DD/YYYY) emental priority data sheet PTO/Sates provisional application(s) list Filing Date (MM/DD/YYYY) | Attorney Docket Number BB/02B attached hereto: | nited States of nventor's ority is claimed Priority C YES | d. laimed? | | | | |
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Approved for use through 9/30/2000. OMB 651-0032 SUBSTITUTE for PTO/SB/01 (12-97), DECLARATION FOR TY OR DESIGN PATENT APPLICATION. DECLARATION AND POWER OF ATTORNEY for Utility or Design Patent Application

| I hereby clain designating the is not disclose 35 U.S.C. 113 37 CFR 1.56 date of this a | ne Un ed in t 2, I ac whic | ited S the pr cknow ch bec | States of A rior United | States or PC | T internal | na, inso tional ap | plica | tion ir | the | manner p manner p | provi I to r | ded by | y the fir | rst parag | graph of ed in | |
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| | | | | onal application | h and | es listed | on a si | unnler | | priority d | ata sh | neet PT | O/SB/02 | 2B attach | ed hereto. | |
| | | | | | and individ | mally ac | my att | tornevs | s or as | ents with | full | power (| of substi | itution ar | nd revocat | ion, the |
| As a named in following regi connected the | stered | practi | itioner(s) to | prosecute this Customer Num OR Legistered prac | per | and to t | | | | | | | Place C | Office ustomer le Label | Number here | |
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| Joseph A. Copp | | | | 38,4 | Number 13 | <u> </u> | Jac | ck L. | Tribb | le | | | | 32 | ,633 | |
| зозерити сорг | | | | | | | | | | | | | | | | |
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| Direct all co | rrespo | onden | ce to: X | Customer N | Number or | Bar Co | de La | bel | | 0002 | 210 | | | | | |
| Name | Jose | ph A. | Coppola | | | | | | | | | | | | | |
| Address | Mer | ck & | Co., Inc | Patent Depar | tment | | | | | | | | | | | |
| Address | P.O. | . Box | 2000, RY | [′] 60-30 | | | | | | | | | | | | |
| City | Rah | way | | | | | Sta | tate NJ ZI | | | ZIP 070 | | 7065-09 | 65-0907 | | |
| Country | USA | | | | Telep | | | 32)594-6734 Fax | | | | | ` | (732)594-4720 | | |
| belief are b | elieve made | ed to b | be true; and unishable l | its made here d further that by fine or im e application | these stat orisonmen | ements it, or bo | were i th, un | made 18 der 18 | with 3 U.S | me know | /ICU2 | e unai | WIIIIui | Iuisc st | atomino | |
| Name of Sole | or Fi | rst In | ventor: | | | | |] A p | etitic | on has bee | en fil | led for | this un | signed i | inventor | |
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| Qingyun | | | | | | | L | iu | | | Т | | | | | |
| Inventor's Signature | | | | | | | | | | | Da | Date | | | | |
| Residence: City | 1 | North | Wales | | State | PA | | Country US | | | | Citizens | | | CN | |
| Post Office Address | |] | Merck & C | Co., Inc., P.O | . Box 200 | 0 | | , <u> </u> | | | | | | | | |
| City | |] | Rahway | | | | | Stat | e | NJ | | ZIP | | 07065 | 5-0907 | |
| X Addition | al inve | entors | are being n | amed on the | 2 suppl | emental | Additio | onal In | vento | rs(s) sheet | (s) P | TO/SB | /02A atta | ached he | reto. | |



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|-------------------------|--------------------------|---------------------------|------------------------|----|------------------------------------------------------|------------------------|----------|-------|-------------|-----------------------|---------------|-----|--|
| lame of Addition | al Joi | nt Inventor, if any: | | | |] A pe | etitior | | | or this unsign | | or | |
| Giver | ne (first and middle [if | | Family Name or Surname | | | | | | | | | | |
| errence | | | | | McDonald | | | | | | | | |
| nventor's Signature | | | | | | | Date | | | | | | |
| Residence: City | Langl | horne | State | | Country | | US | | Citizenshi | p US | | | |
| Post Office Address | 1 | Merck & Co., Inc., P.O. E | 3ox 2000 |) | | | | | | | | | |
| City |] | Rahway | | | Sta | te l | NJ —— | | ZIP | 07065-09 | 907 | | |
| Name of Addition | al Joi | int Inventor, if any: | | | | Ap | etitio | | | or this unsign | | tor | |
| Give | n Nar | me (first and middle [if | any]) | | + | | | F | amily Na | ime or Surr | ame | | |
| Timothy P. | | | | | В | onnert | | | | T | | | |
| Inventor's Signature | | | | | | | | | Date | | | | |
| Residence: City | Hartí | fordshire | State | | | Coun | try | UK | | Citizensh | i p UK | | |
| Post Office Address | | Merck & Co., Inc., P.O. | Box 200 | 0 | Г | | | | | | | | |
| City | | Rahway | | | Sta | ate NJ | | ZIP | 07065-0907 | | | | |
| _ | | int Inventor, if any: | | | A petition has been filed for this unsigned inventor | | | | | | | | |
| | n Na | me (first and middle [if | any]) | | - | Family Name or Surname | | | | | | | |
| Gordon | | | | | | Ng Date | | | | | | | |
| Inventor's Signature | | | | | | | | | | | | | |
| Residence: City | Poin | nt-Claire | State | | | Coun | itry | CA | | Citizensh | ip CA | | |
| Post Office Address | | Merck & Co., Inc., P.O. | Box 200 |)0 | | | | | | | | | |
| City | | Rahway | | | Sta | ate | NJ | | ZIP | 07065-0 | 907 | | |
| Name of Additio | nal Jo | oint Inventor, if any: | | | A petition has been filed for this unsigned inventor | | | | | | | | |
| Give | n Na | me (first and middle [if | f any]) | | Family Name or Surname | | | | | | | | |
| Lee F. | | | | | I | Kolako | wski, | , Jr. | | <u></u> | | | |
| Inventor's Signature | | | | _ | | . | Date | | | | | | |
| Residence: City | San | Antonio | State | TX | | Cou | ntry | Us | | Citizenship US | | | |
| Post Office Address | | Merck & Co., Inc., P.O. | Box 200 | 00 | | | Γ | | Т | | | | |
| City | | Rahway | | | St | ate | NJ | | ZIP | 07065- | 0907 | | |
| | | | | | | | | | | | | | |

| ame of Additiona | al Joi | int Inventor, if any: | A petition has been filed for this unsigned inventor | | | | | | | | | | | |
|-------------------------|--------|--------------------------------------------------|------------------------------------------------------|------------------------------------------------------|------------------------|------------------------------------------------------|--------|---------------|-------------|------------------|------|--|--|--|
| Given | ı Nan | me (first and middle [if | any]) | | Family Name or Surname | | | | | | | | | |
| anet | | | | | Cl | lark | | | | | | | | |
| nventor's ignature | | | | | | | | | Date | | Γ | | | |
| Residence: | Bethe | esda | State | MD | | Count | try | US | | Citizenship | US | | | |
| Post Office Address | | Merck & Co., Inc., P.O. E | Box 200 | 0 | T | | | | | | | | | |
| City | 1 | Rahway | | | Stat | | NJ | | ZIP | 07065-090 | | | | |
| ame of Addition | al Joi | int Inventor, if any: | | | |] A p | etitio | | | or this unsigned | | | | |
| Giver | ı Nar | me (first and middle [if | any]) | | - | | | F | amily Na | ame or Surnar | me | | | |
| Com I. | | | | | B | onner | e | | | | | | | |
| nventor's Signature | | I'm I. | Box | ne | <u>\</u> | | | | Date | 8/2 | 8/00 | | | |
| Residence: | Beth | nesda | State | MD / | <u>u / J</u> | Coun | try | US | | Citizenship | US | | | |
| Post Office Address | \int | Merck & Co., Inc., P.O. I | Box 200 |)0 | | | | - | | | | | | |
| City | | Rahway | | | Sta | ite | NJ | | ZIP | 07065-090 |)7 | | | |
| | | oint Inventor, if any: | | A petition has been filed for this unsigned inventor | | | | | | | | | | |
| Give | n Na | nme (first and middle [if | f any]) | | + | Family Name or Surname | | | | | | | | |
| Inventor's Signature | | | | | | | | | Date | | | | | |
| Residence: City | | | State | | | Coun | ıtry | | | Citizenship | | | | |
| Post Office Address | | Merck & Co., Inc., P.O. | Box 200 | 00 | - | | | | | | | | | |
| City | | Rahway | | | Sta | ite | NJ | | ZIP | 07065-090 | 07 | | | |
| | | oint Inventor, if any: ame (first and middle [if | <u></u> | | | A petition has been filed for this unsigned inventor | | | | | | | | |
| Give | + | Family Name or Surname | | | | | | | | | | | | |
| Inventor's | _ | | l_ | | | | Date | | | | | | | |
| Signature Residence: | +- | | State | | | Cour | ntry | | | Citizenship |) | | | |
| City Post Office | | Merck & Co., Inc., P.O. | | | | | | | | | | | | |
| Address City | | Rahway | | | Sta | ate | NJ | | ZIP | 07065-09 | 07 | | | |
| | | | | | | | | | | | | | | |